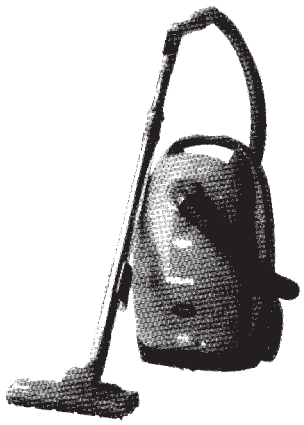
# Vacuum cleaner

Service
Service
Service

**HR 8881 HR 8891**
**HR 8882 HR 8892**
**HR 8893**
**HR 8895**
**HR 8897**
**HR 8899**



**Philips Domestic Appliances and Personal Care**

# ServiceManual

## PRODUCT INFORMATION

| | |
|---|---|
| – Maximum air displacement | : 34 l/sec. |
| – Maximum vacuum water column | : 275 cm |
| – Power consumption (IEC) 225V | : 1200W |
| – Dust storage capacity | : 4 litres |
| – Cord length (depends on version) | : 6 or 8.5 metres |
| – Filter system (depends on version) | : Paper dustbag |
| | : Exhaust air filter |
| | : Motor inlet filter |
| | : or carbon filter |
| – Dimensions cleaner | : 48 x 30 x 25 cm |
| – Weight without accessories | : 6.4 kg |
| – Noise | : 75 dB |

## OPTIONAL

| | | | |
|---|---|---|---|
| Exhaust air filter | HR 6932 | (4822 015 70056) | |
| Cotton dustbag | HR 6935 | (4822 480 10072) | |
| Paper dustbag set | HR 6938 | (4822 015 70049) | economy |
| Paper dustbag set | HR 6938 | (4822 015 70057) | hygiene |
| Hard floor nozzle | HR 6943 | (4822 479 20222) | |
| Carbon inlet filter | HR 6949 | (4822 480 20145) | |
| Dust sensor | HR 6953 | (4822 452 80167) | |
| Turbo brush | HR 6988 | (4822 479 20196) | |
| Brush of e. nozzle | HR 6991 | (4822 479 30179) | |
| S-class filter | HR 6992 | (4822 480 10084) | |

## ADJUSTING THE PCB ON THE MOTOR TO 220V, 60Hz

1. Make sure that the potentiometer (item 58) is set at **min. position**.
2. Adjust the potentiometer on the PCB (item 44) on the motor to 220V/60Hz. to allow the motor to run smootly.

**Please note:** * that the standard setting of the PCB is 230V, 50Hz.
* that there are open-circuit voltages on all wires.

MSH coding :

| | |
|---|---|
| 8838 881 00000 (red) | 8838 893 00000 (blue/met.) |
| 8838 882 00000 (orange/met.) | 8838 895 00000 (green/met.) |
| 8838 891 00000 (orange/met.) | 8838 897 00000 (green/met.) |
| 8838 892 00000 (gold/met.) | 8838 899 00000 (aub/met.) |

## SERVICE INFORMATION

- To open the appliance, first remove the panel (item 13) with a big screw driver (V) to disconnect the 4 snap locks (the 4 screws of button panel item 39 can be loosed) and then remove the two pedals (items 1 and 14) with a pin (W), max. diameter 2.5 mm.
- Power meter (8838 000 60300) is a commercial item with a fixed air displacement which measures the vacuum of the appliance.
- Component configuration on exploded view may differ in case of specific versions. However, the actual components are distinguished by means of code numbers.
- If a repair has been made, make sure that all functions of the appliance are working correctly.
- The spare parts have been standarized as much as possible.
  (x) = standarized spare part in applinance concerned.
  x = original spare part in applinance concerned.
- Item 16 Cotton dustbag is used in those countries where paper dustbags are not available.
- Item 17 suction hose must be 460 mm in the x versions and must be shortened to 420 mm in the (x) versions.
- Item 19 wire beam is provided with 4 connecting wires (brown and blue only used in the version HR 8899).
- Item 120 up to and including 156. The assembly of accessories depends on the national version.
- Item 21 is provided with the long cord-winder spring; both long and short cords can be used in combination with this spring.
- To disassemble the cordwinder use TORX screw driver no T15, which is one of a set consisting of T20, T15, T10, T9, T8, T7 and T6 = 4822 395 50145.
- Depending on the original cord, the spare cord must be shortened from 8.5 into 6 metres.
- Item 37 is provided with a control button to activate the microswitch.
- Item 34. Remove the control lever in the versions without microswitch.
- Item 43 air valve opens to cool the motor if the air displacement is too low or if the air flow is blocked.
- Item 155 Belt tension is 5 Newtons or 120-150mA after 1 min. turning.
- All vacuum cleaners can switched on with or without (remote control) hose.

Published by Philips Domestic Appliances and Personal Care Printed in the Netherlands © Copyright reserved Subject to modification

**4822 729 21878**
**97/10**
PCS 88 864

PHILIPS

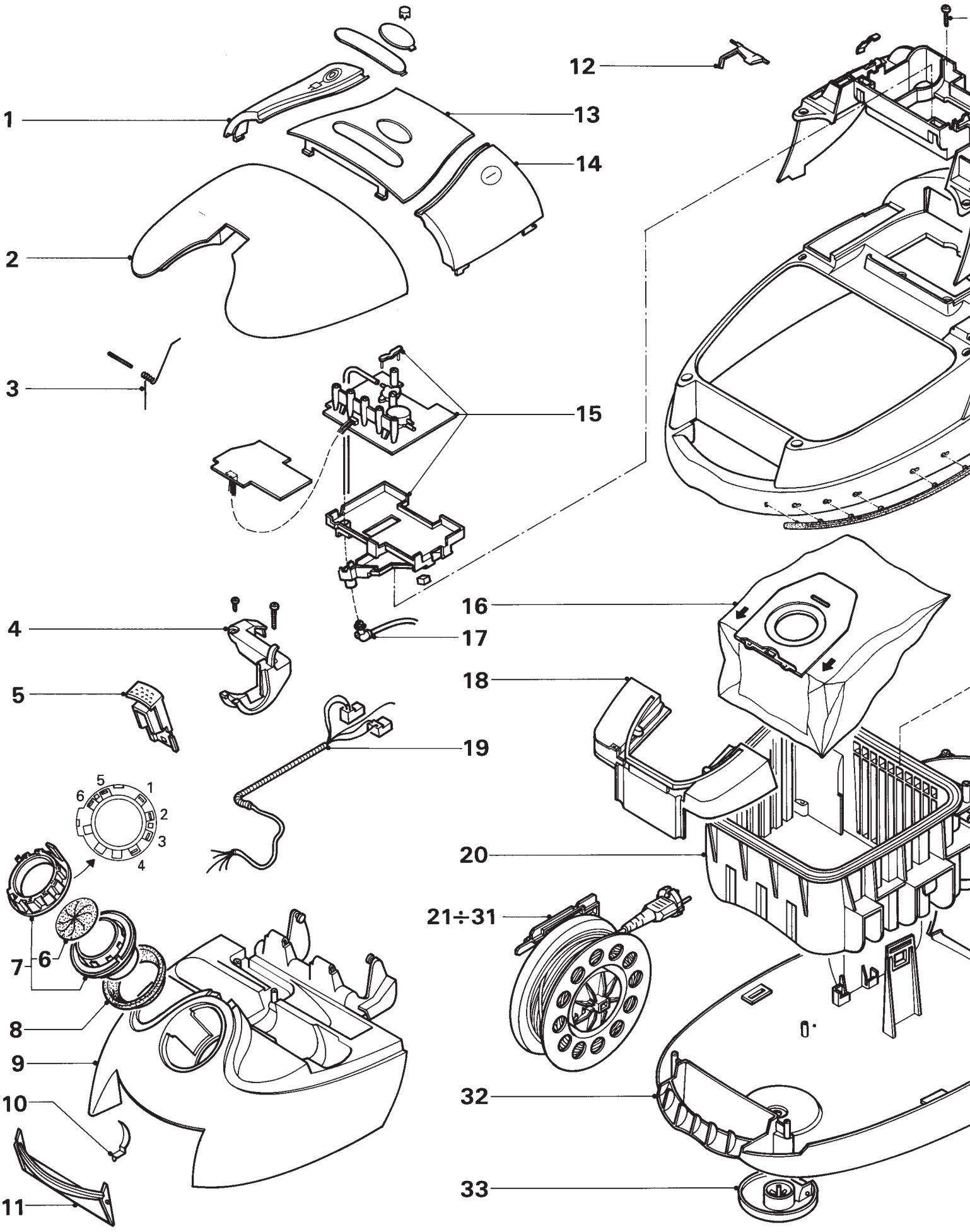
**Low voltage version.**

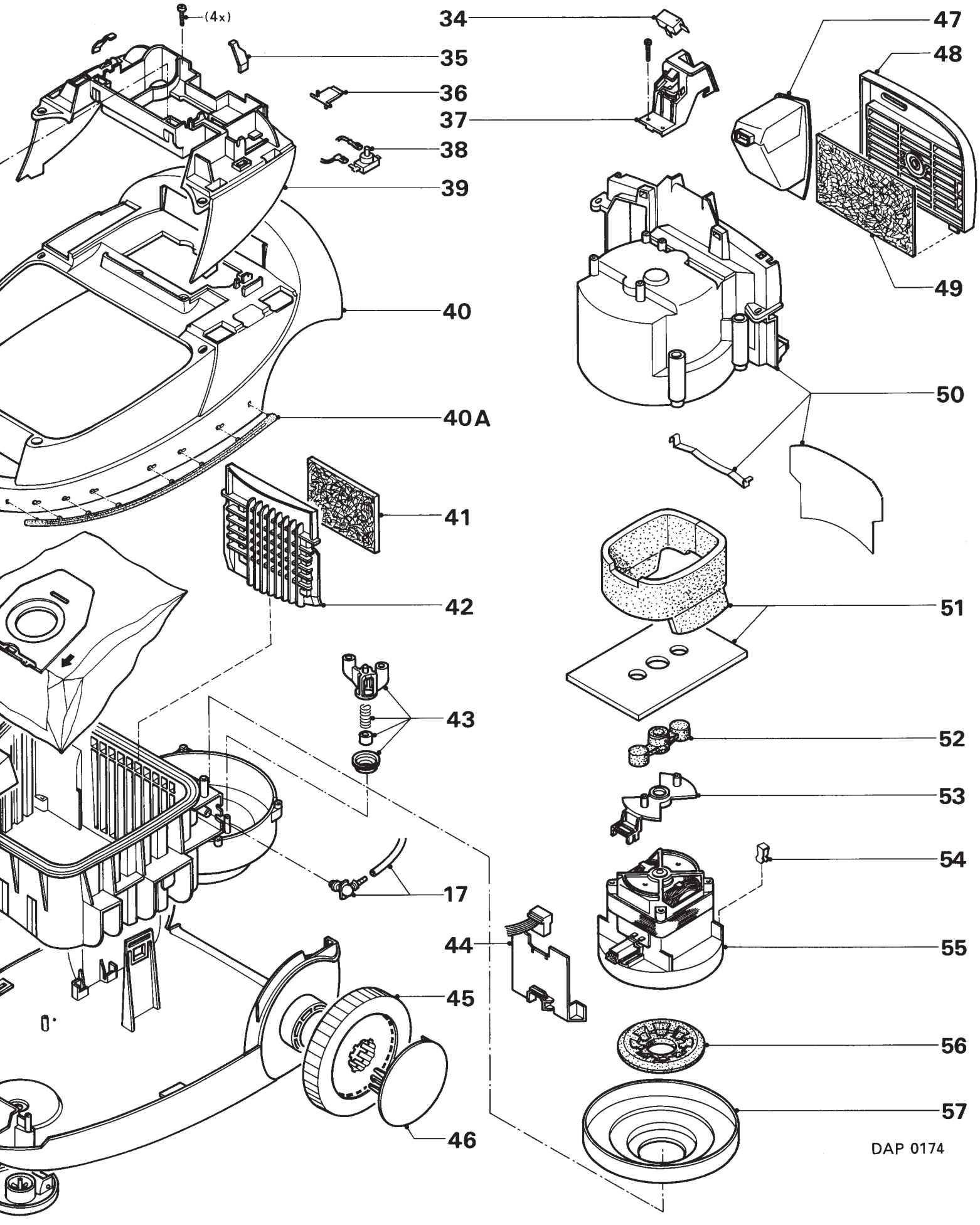
- Item 20 In the dust chamber a hole with a diam. of 6 mm must be drilled, to cool the cord winder via the cord winder cooling hose, (position the hole as is in the dust chamber to be replaced).
- Item 21 In the reel half spring unit a rib must be removed to connect the cooling hose, just as in the replaced unit.
- 4822 530 21034 Cord winder cooling hose (The correct lenght of the tube without connectors is 84 mm).
- Item 55 4822 361 10913 Motor 100 - 110 V with warning sign. (Motor metal parts are under live if switched on).

| HR 8... | | .881 | .882 | .891 | .892 | .893 | .895 | .897 | .899 | Description |
|---|---|---|---|---|---|---|---|---|---|---|
| Pos | 4822 | | | | | | | | | |
| 1 | 410 11296 | - | - | - | - | - | X | X | - | cord-winder pedal |
| | 410 11297 | - | - | - | - | X | - | - | - | cord-winder pedal |
| | 410 11298 | - | - | - | X | - | - | - | - | cord-winder pedal |
| | 410 11299 | - | X | X | - | - | - | - | - | cord-winder pedal |
| | 466 10782 | - | - | - | - | - | - | - | X | cord-winder pedal |
| | 466 10762 | X | - | - | - | - | - | - | - | cord-winder pedal |
| 2 | 442 01025 | - | - | - | - | - | X | X | - | accessory cover |
| | 442 01027 | - | - | - | - | X | - | - | - | accessory cover |
| | 442 01029 | - | - | - | X | - | - | - | - | accessory cover |
| | 442 01032 | - | X | X | - | - | - | - | - | accessory cover |
| | 442 00071 | - | - | - | - | - | - | - | X | accessory cover |
| | 442 00054 | X | - | - | - | - | - | - | - | accessory cover |
| 3 | 492 11044 | X | X | X | X | X | X | X | X | acc. cover spring |
| 4 | 442 01026 | - | - | - | - | - | X | X | - | lead lid |
| | 442 01028 | - | - | - | - | X | - | - | - | lead lid |
| | 442 00072 | - | - | - | - | - | - | - | X | lead lid |
| | 442 01031 | - | - | - | X | - | - | - | - | lead lid |
| | 442 01033 | - | X | X | - | - | - | - | - | lead lid |
| | 442 00064 | X | - | - | - | - | - | - | - | lead lid |
| 5 | 417 11264 | X | X | X | X | X | X | X | X | acc. cover lock |
| 6 | 532 12374 | X | X | X | X | X | X | X | X | diaphragm valve |
| 7 | 528 10943 | X | X | X | X | X | X | X | X | swivel connector |
| 8 | 532 70286 | X | X | X | X | X | X | X | X | sealing rubber |
| 9 | 442 01043 | - | - | - | - | - | X | X | - | dust cover |
| | 442 01039 | - | X | X | - | - | - | - | - | dust cover |
| | 442 01041 | - | - | - | X | - | - | - | - | dust cover |
| | 442 01042 | - | - | - | - | X | - | - | - | dust cover |
| | 442 00073 | - | - | - | - | - | - | - | X | dust cover |
| | 442 00055 | X | - | - | - | - | - | - | - | dust cover |
| 10 | 492 11045 | X | X | X | X | X | X | X | X | dust-cover spring |
| 11 | 460 11095 | - | - | - | - | - | X | X | - | dust-cover snaplock |
| | 460 11092 | - | X | X | - | - | - | - | - | dust-cover snaplock |
| | 460 11093 | - | - | - | X | - | - | - | - | dust-cover snaplock |
| | 460 11094 | - | - | - | - | X | - | - | - | dust-cover snaplock |
| | 460 11028 | - | - | - | - | - | - | - | X | dust-cover snaplock |
| | 460 11024 | X | - | - | - | - | - | - | - | dust-cover snaplock |
| 12 | 402 10108 | X | X | X | X | X | X | X | X | cord-winder lever |
| 13 | 441 12038 | X | - | - | - | - | - | - | - | version panel |
| | 441 12037 | - | X | X | - | - | - | - | - | version panel |
| | 441 12053 | - | - | - | X | - | - | - | - | version panel |
| | 441 12033 | - | - | - | - | X | - | - | - | version panel |
| | 441 12034 | - | - | - | - | - | X | - | - | version panel |
| | 441 12035 | - | - | - | - | - | - | X | - | version panel |
| | 441 12036 | - | - | - | - | - | - | - | X | version panel |
| 14 | 466 11643 | - | - | - | - | - | X | X | - | switch pedal |
| | 466 11639 | - | X | X | - | - | - | - | - | switch pedal |
| | 466 11641 | - | - | - | X | - | - | - | - | switch pedal |
| | 466 11642 | - | - | - | - | X | - | - | - | switch pedal |
| | 466 10784 | - | - | - | - | - | - | - | X | switch pedal |
| | 466 10764 | X | - | - | - | - | - | - | - | switch pedal |
| 15 | 214 11309 | - | - | - | - | - | - | X | X | PCB |
| | 214 11308 | - | - | - | - | - | X | - | - | PCB 230V/50Hz |
| | 214 11407 | - | - | - | - | - | X | - | - | PCB 220V/60Hz |
| | 214 11913 | - | - | - | - | - | - | X | - | PCB rem. control 100-127V |
| | 214 11912 | - | - | - | - | - | X | - | - | PCB eco/auco 100-127V |

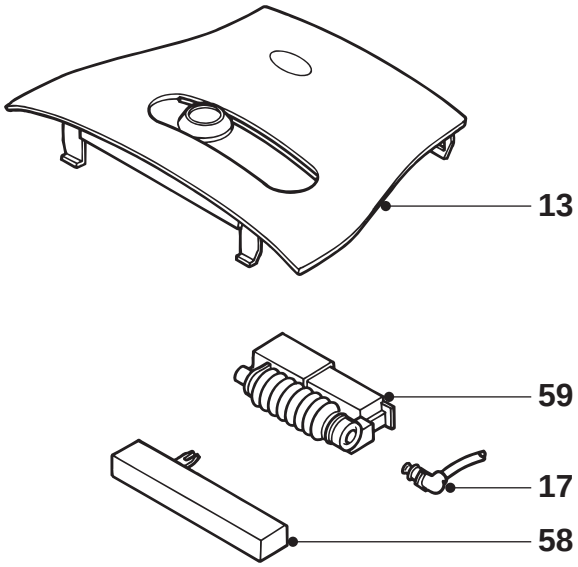
| HR 8... | | .881 | .882 | .891 | .892 | .893 | .895 | .897 | .899 | Description |
|---|---|---|---|---|---|---|---|---|---|---|
| Pos | 4822 | | | | | | | | | |
| 16 | 015 70057 | X | X | X | X | X | X | X | X | paper dustbag hyg. |
| | 480 10072 | (X) | (X) | (X) | (X) | (X) | (X) | (X) | (X) | cotton dustbag |
| 17 | 530 10246 | X | X | X | X | X | (X) | (X) | (X) | suction hose (460) |
| 18 | 256 10155 | X | X | X | X | X | X | X | X | dustbag holder |
| 19 | 320 11181 | - | - | - | - | - | - | (X) | X | connecting cable |
| 20 | 441 11625 | X | X | X | X | X | X | X | X | dust chamber |
| 21 | 492 71489 | (X) | (X) | X | X | X | X | X | X | reel half spring unit |
| 22 | 466 10776 | X | X | X | X | X | X | X | X | connection piece |
| 23 | 532 52554 | X | X | X | X | X | X | X | X | brake tyre |
| 24 | 528 10836 | X | X | X | X | X | X | X | X | reel half contact unit |
| 25 | 290 81474 | X | X | X | X | X | X | X | X | contact-ring plate |
| 26 | 321 10816 | X | X | X | X | X | X | X | X | cordset Australia |
| 27 | 321 10822 | X | X | X | X | X | X | X | X | cordset Japan (2 x 1.25 $mm^2$) |
| | 321 11348 | X | X | X | X | X | X | X | X | cordset (2 x 0.75 $mm^2$) |
| 28 | 321 10818 | X | X | X | X | X | X | X | X | cordset UK |
| 29 | 321 10783 | - | - | X | X | X | X | X | X | cordset L = 8.3 m 4.8 mm pins |
| | 321 11339 | X | X | - | - | - | - | - | - | cordset L = 6.3 m 4.8 mm pins |
| 30 | 321 10806 | X | X | X | X | X | X | X | X | cordset |
| 31 | 321 10815 | X | X | X | X | X | X | X | X | cordset |
| 32 | 441 11626 | X | X | - | - | X | X | X | X | lower housing |
| | 441 12039 | - | - | X | X | - | - | - | - | lower housing and plug |
| 33 | 528 10925 | X | X | X | X | X | X | X | X | caster assy |
| 34 | 271 30856 | X | X | X | X | X | X | - | - | micro-switch |
| 35 | 492 11009 | X | X | X | X | X | X | X | X | button spring |
| 36 | 404 40703 | X | X | X | X | X | X | X | X | switch lever |
| 37 | 402 10111 | X | X | X | X | X | X | (X) | (X) | parking hook |
| 38 | 276 13205 | X | X | X | X | X | X | X | X | main switch |
| 39 | 441 12022 | - | - | - | - | - | X | X | - | button panel |
| | 441 12018 | - | X | X | - | - | - | - | - | button panel |
| | 441 12019 | - | - | - | X | - | - | - | - | button panel |
| | 441 12021 | - | - | - | - | X | - | - | - | button panel |
| | 441 11634 | - | - | - | - | - | - | - | X | button panel |
| | 441 11627 | X | - | - | - | - | - | - | - | button panel |
| 40 | 441 11628 | X | X | - | - | - | - | - | - | upper housing |
| | 441 12023 | - | - | X | X | X | X | X | X | upper housing with buffer |
| 40A | 460 11097 | - | - | X | X | X | X | X | X | buffer |
| 41 | 480 40234 | X | X | X | X | X | X | X | X | safety filter duo |
| | 480 20145 | - | - | - | - | - | - | - | - | carbon filter (opt.) |
| 42 | 458 10458 | X | X | X | X | X | X | X | X | safety filter grille |
| | 458 10461 | - | - | - | - | - | - | - | - | carbon filter grille (opt.) |
| 43 | 360 10157 | X | X | X | X | X | X | X | X | air inlet valve 220-240V |
| | 360 10233 | - | - | X | X | X | X | X | X | air inlet valve 100-127V |
| 44 | 214 11359 | X | X | X | X | X | X | - | - | power module dt 230V |
| | 214 11361 | - | - | - | - | - | - | X | X | power module 230V |
| | 214 11911 | - | - | X | X | X | X | X | X | power module 100-110V |
| 45 | 528 10944 | X | X | - | - | - | - | - | - | rear wheel |
| | 528 11163 | - | - | X | X | X | X | X | X | rear wheel soft |
| 46 | 462 10636 | X | X | - | - | - | - | - | - | rear wheel cap |
| | 462 10987 | - | - | X | X | X | X | X | X | rear wheel cap |
| 47 | 462 10637 | X | X | X | X | X | X | X | X | cord outlet |
| 48 | 458 10459 | X | X | X | X | - | - | X | - | back grille |
| | 458 10596 | - | - | - | - | X | X | - | X | S-filter holder |
| 49 | 015 70056 | X | X | X | X | - | - | X | - | AFS filter |
| | 480 10084 | - | - | - | - | X | X | - | X | S-filter |
| 50 | 441 11629 | X | X | X | X | X | X | X | X | motor housing |
| 51 | 532 12375 | X | X | X | X | X | X | X | X | silencers |
| 52 | 466 10765 | X | X | X | X | X | X | X | X | back motor buffer |
| 53 | 402 10109 | X | X | X | X | X | X | X | X | suspension bracket |
| 54 | 492 11011 | X | X | X | X | X | X | X | X | PCB mounting spring |
| 55 | 361 10768 | X | X | X | X | X | X | X | X | motor 1241 - 230V |
| | 361 10913 | - | - | X | X | X | X | X | X | motor 100-110V |
| 56 | 466 62655 | X | X | X | X | X | X | X | X | front motor buffer |
| 57 | 466 10766 | X | X | X | X | X | X | X | X | motor disc 1241 |
| 58 | 101 11361 | X | X | X | X | X | X | - | - | potentiometer 220-240V |
| | 101 11689 | - | - | X | X | X | X | - | - | potentiometer 100-127V |

| HR 8... | | .881 | .882 | .891 | .892 | .893 | .895 | .897 | .899 | Description |
|---|---|---|---|---|---|---|---|---|---|---|
| Pos | 4822 | | | | | | | | | |
| 59 | 450 10067 | X | X | X | X | X | - | - | - | suct. power indicator 220-240V |
| | 450 10209 | - | - | X | X | X | - | - | - | suct. power indicator 100-127V |
| 120 | 492 71622 | X | X | - | - | - | - | - | X | metal-tube clip |
| 121 | 530 10229 | X | X | - | - | - | - | - | - | metal-tube |
| 122 | 492 71623 | - | - | X | X | X | X | X | - | telesc. -tube clip |
| 123 | 530 10233 | - | - | X | X | X | X | X | - | telescopic tube |
| 124 | 452 80167 | (X) | (X) | (X) | (X) | (X) | (X) | (X) | (X) | dust indicator (opt.) |
| 125 | 530 10247 | X | X | X | X | X | X | - | - | eco bend + hose |
| 126 | 530 10235 | X | X | X | X | X | X | - | - | eco bend |
| 127 | 479 70072 | X | X | X | X | X | X | X | - | nozzle |
| 128 | 469 20123 | X | X | X | X | X | X | X | X | nozzle strips |
| 129 | 479 50062 | X | X | X | X | X | X | X | X | crevice nozzle |
| 130 | 479 60118 | X | X | X | X | X | X | X | X | small nozzle |
| 131 | 479 30176 | X | X | X | X | X | X | X | X | brush nozzle |
| 132 | 530 10248 | - | - | - | - | - | - | X | - | rmc hose |
| 137 | 479 20222 | - | - | - | - | - | - | - | X | hard floor nozzle |
| 138 | 530 10249 | - | - | - | - | - | - | - | X | power grip hose |
| 139 | 530 10251 | - | - | - | - | - | - | - | X | power tube |
| 150 | 417 11265 | - | - | - | - | - | - | - | X | connection lock |
| 140 | 441 12056 | - | - | - | - | - | - | - | X | upper housing |
| 141 | 460 11029 | - | - | - | - | - | - | - | X | nozzle bumper |
| 142 | 410 10187 | - | - | - | - | - | - | - | X | release button |
| 143 | 214 11362 | - | - | - | - | - | - | - | X | PCB 230V |
| | 214 11363 | - | - | - | - | - | - | - | X | PCB 100-127V |
| 144 | 402 10112 | - | - | - | - | - | - | - | X | release spring/hook |
| 145 | 528 10947 | - | - | - | - | - | - | - | X | front wheels |
| 146 | 528 10945 | - | - | - | - | - | - | - | X | rear wheels |
| 147 | 460 11031 | - | - | - | - | - | - | - | X | bottom strip |
| 148 | 441 12057 | - | - | - | - | - | - | - | X | lower housing |
| 149 | 479 20203 | - | - | - | - | - | - | - | X | brush |
| 150 | 417 11265 | - | - | - | - | - | - | - | X | connection lock |
| 151 | 530 10252 | - | - | - | - | - | - | - | X | steering tube |
| 152 | 361 11021 | - | - | - | - | - | - | - | X | motor 230V |
| | 361 10772 | - | - | - | - | - | - | - | X | motor 100-127V |
| 153 | 464 10355 | - | - | - | - | - | - | - | X | frame |
| 154 | 532 60915 | - | - | - | - | - | - | - | X | frame buffer |
| 155 | 358 10159 | - | - | - | - | - | - | - | X | drive belt |
| 156 | 460 11032 | - | - | - | - | - | - | - | X | brush strips |
| 140 ÷ 156 | 479 20204 | - | - | - | - | - | - | - | X | electr. brush complet 230V |

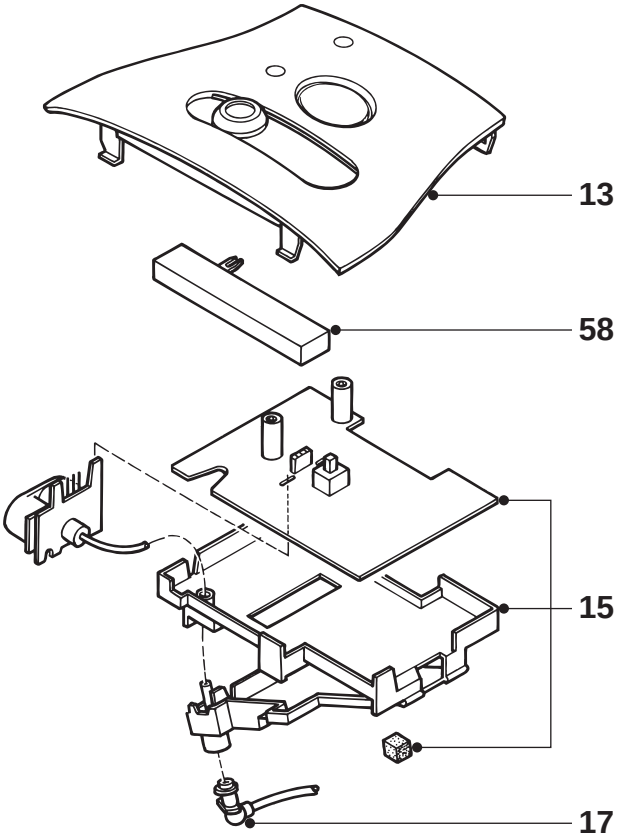

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21÷31
32
33
5
1
6
2
3
4


(4x)
34
35
36
37
38
39
40
40A
41
42
43
17
44
45
46
47
48
49
50
51
52
53
54
55
56
57
DAP 0174

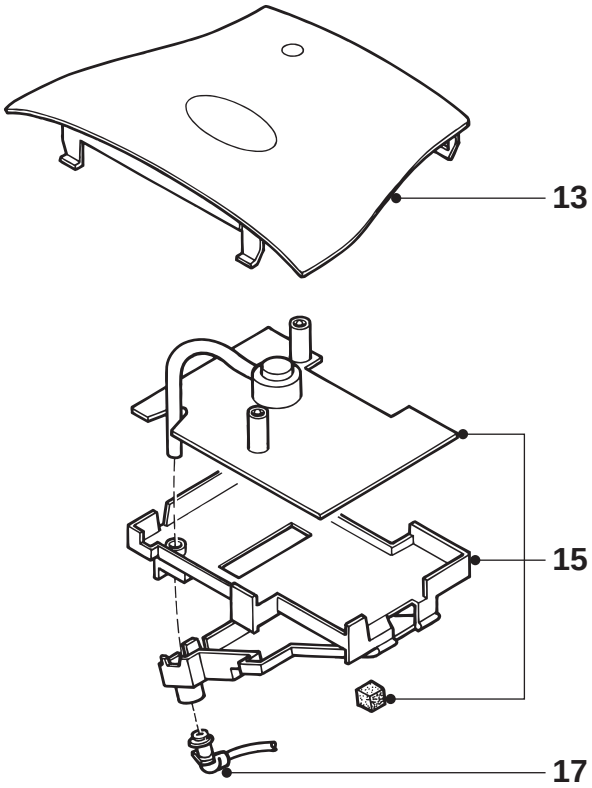
**HR 8881**
**HR 8882**
**HR 8891**
**HR 8892**
**HR 8893**

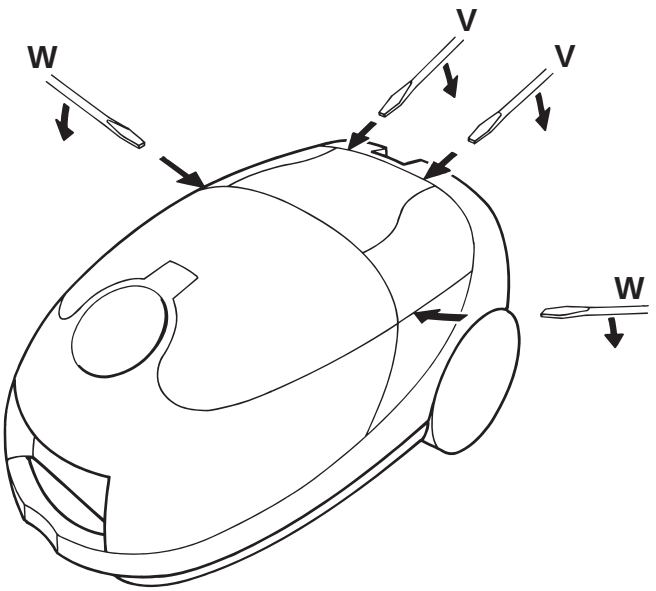



**HR 8895**

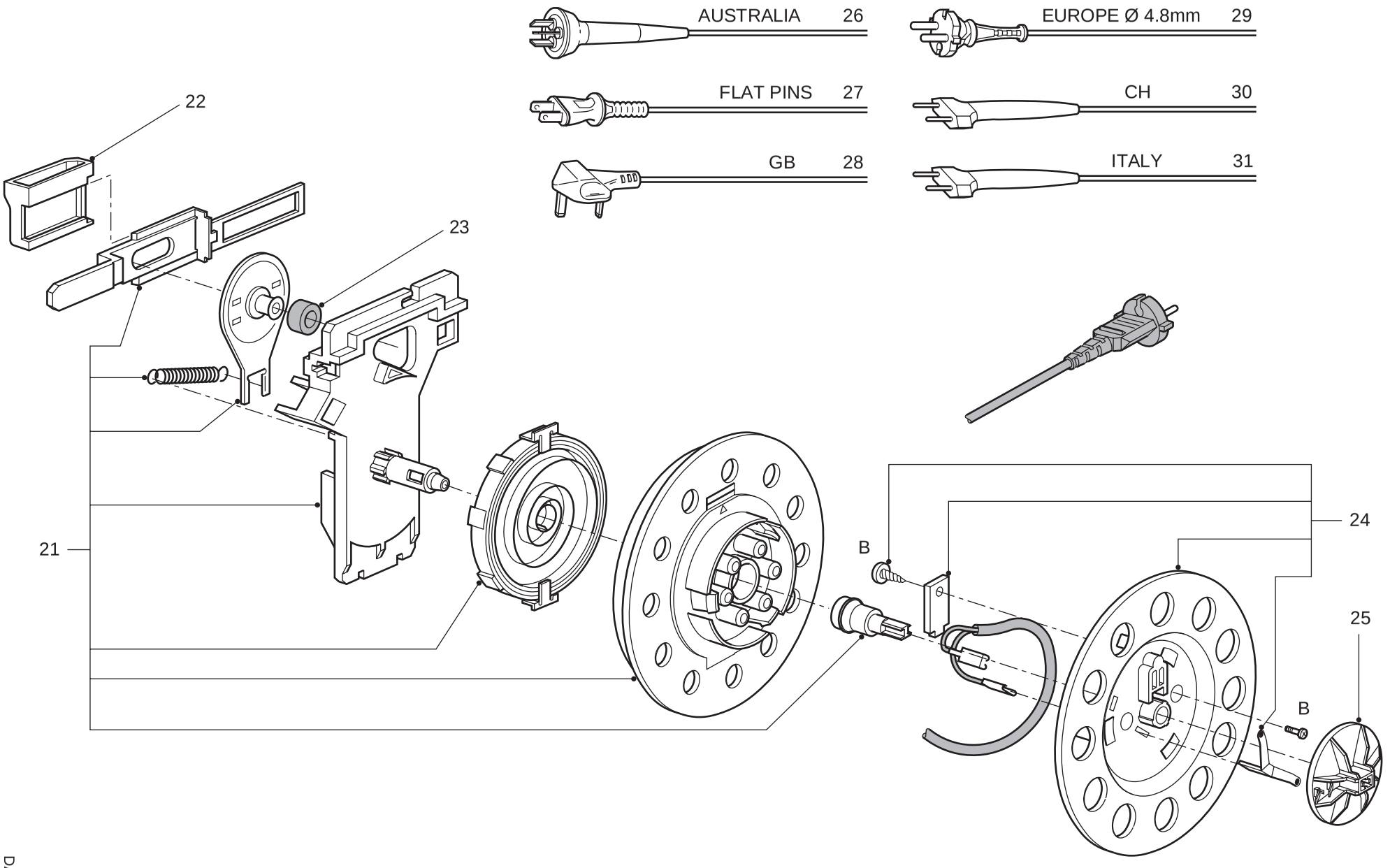



**HR 8897**
**HR 8899**

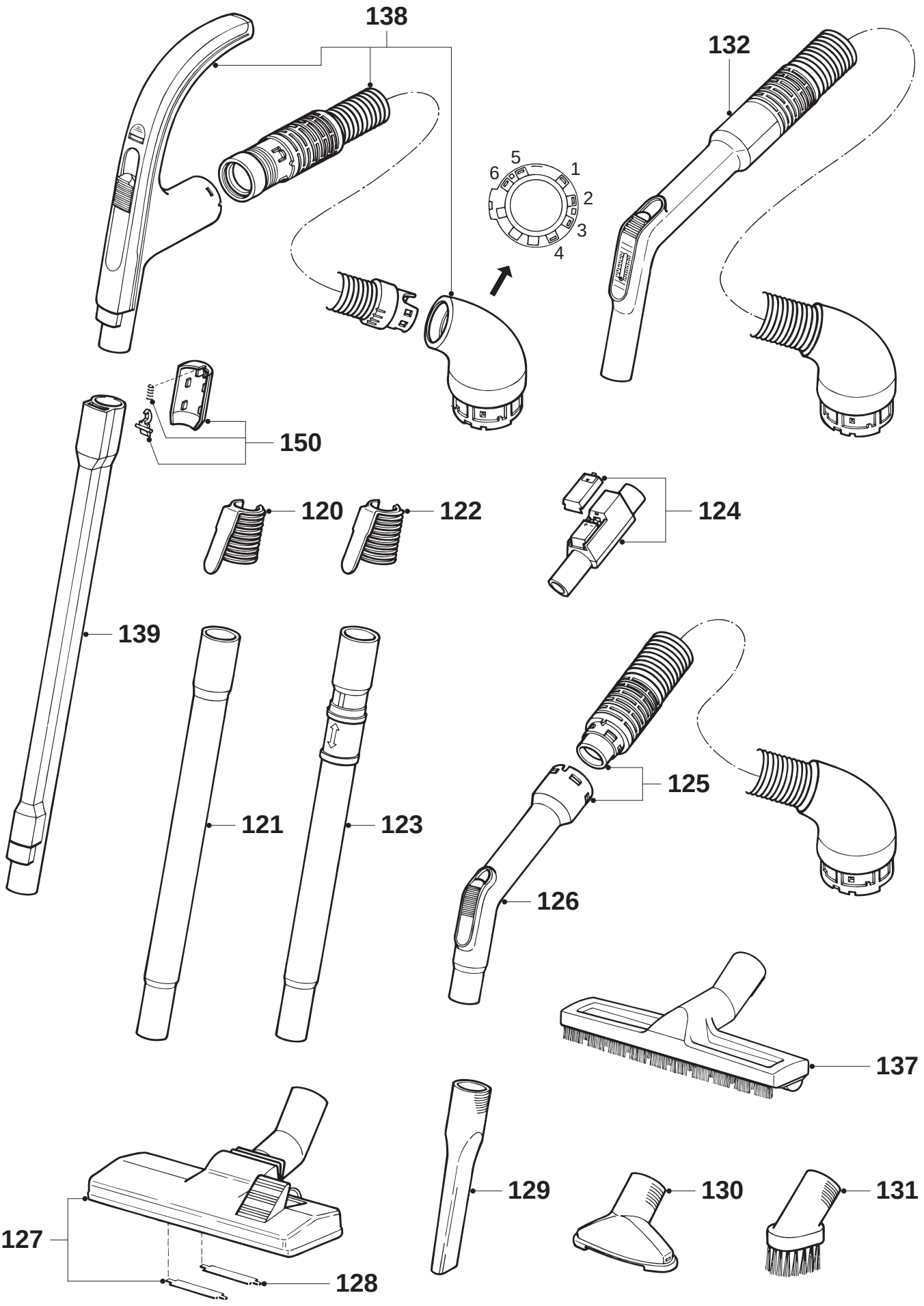


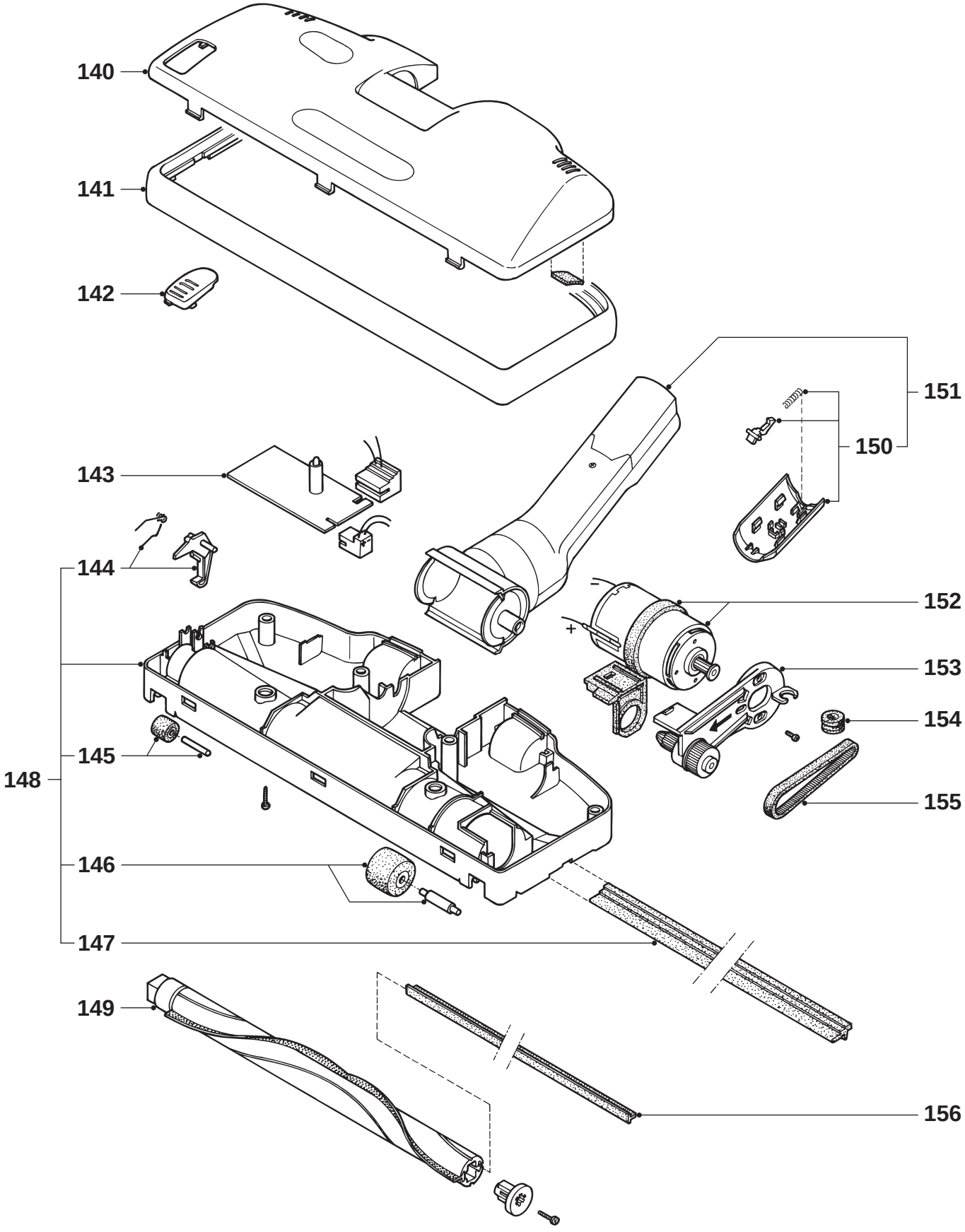

DAP0416


AUSTRALIA 26
EUROPE Ø 4.8mm 29
FLAT PINS 27
CH 30
GB 28
ITALY 31
22
23
21
24
25
B
B

DAP0409


138
132
5
6
1
2
3
4
150
120
122
124
139
121
123
125
126
137
127
128
129
130
131

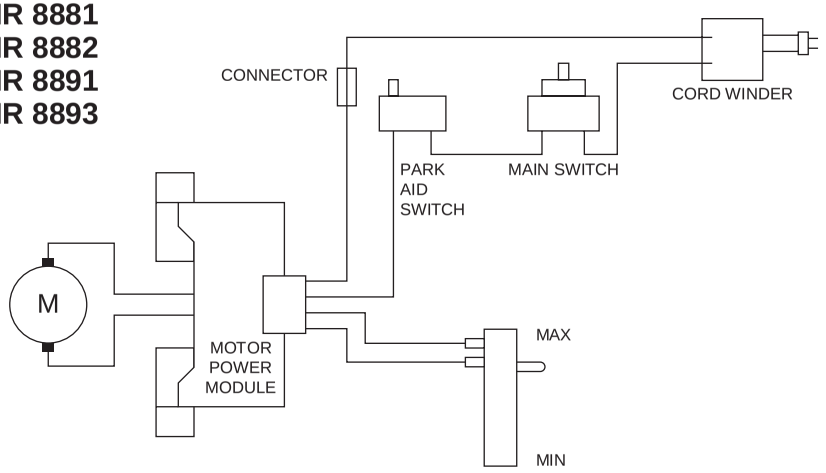
DAP0443



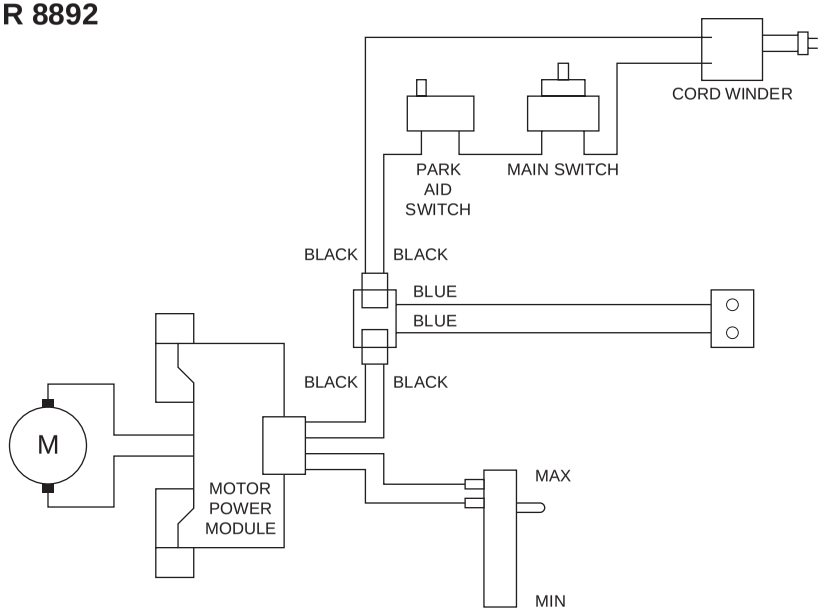

DAP0444

PCS 88 949

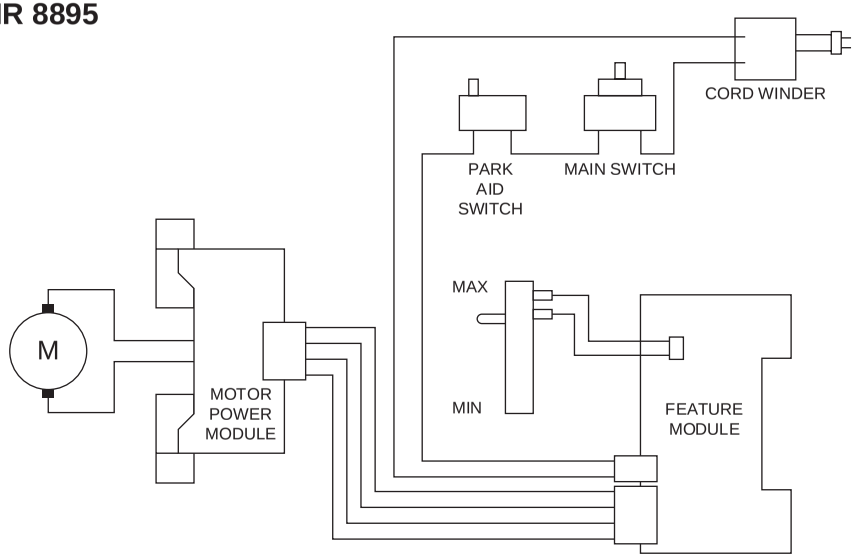
## HR 8881
## HR 8882
## HR 8891
## HR 8893




## HR 8892




## HR 8895




## HR 8897
## HR 8899